

TECHNICAL DATA

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THIS CHEMICAL IS
FORMULATED FOR
INDUSTRIAL USE ONLY

WARNING

Contact with skin or clothing or other improper handling or use of this product may result in bodily harm or other damage. Before using or mixing the contents with other substances, all labels applied to container, the applicable Technical Data Sheet and Material Safety Data Sheet should be read and specific instructions and precautions followed to assure correct use and personal safety.

PRELUDE AC-100

INTRODUCTION

PRELUDE AC-100 is a powdered mildly alkaline, production cleaner for immersion or spray cleaning on aluminium, steel or zinc surfaces. It is specifically formulated to remove polishing pastes and mill soil without dulling the aluminium surface.

MAKE-UP AND OPERATION

PRELUDE AC-100 is operated at 20-50 grams per litre. Temperature should be between 60-90 degrees Celcius depending on type of soil being removed.

Contact time in an immersion process can be between 1-15 minutes and in a spray process between 1-5 minutes at a pressure of about 200kpa.

BATH MAKE-UP AND CONTROL POINTS

BATH MAKE-UP

For each 1000 litres of bath add the following:
20-50 kg - PRELUDE AC-100

***NOTE : PRELUDE AC-100 should be dissolved in a pail of water before adding to the bath.

CONTROL POINTS

TITRATION -	6.0 to 15.0 ml
TEMPERATURE -	60-90 degrees Celcius
CONTACT TIME -	Immersion - 1-15 minutes Spray - 1-5 minutes

TESTING AND BATH MAINTENANCE

The PRELUDE AC-100 bath is manually controlled by the following titration.

(i) Pipette a 10ml sample of the PRELUDE AC-100 bath into a conical flask and add 100ml of D.I. Water.

(ii) Add 6 - 8 drops of phenolphthalein indicator

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(iii) Fill the burette with 0.1N hydrochloric acid solution.

(iv) While stirring the sample slowly run the 0.1N hydrochloric acid solution from the burette until the pink colour disappears. Record the millilitres of 0.1N hydrochloric acid used.

(v) CALCULATION - Millilitres of 0.1N HCl x 3.32 = gms/litre of PRELUDE AC-100

OPERATIONAL RECOMMENDATIONS

(i) If PRELUDE AC-100 is being used to remove hardened polishing paste in immersion equipment - air agitation is recommended.

(ii) If work is extremely oily , PRELUDE PLUS can be added to boost cleaning power.

AFTER TREATMENT

After cleaning with PRELUDE AC-100 the work must be thoroughly rinsed with hot or cold water prior to further treatment.

HANDLING PRECAUTIONS

PRELUDE AC-100 is an alkaline powder. Gloves, goggles and dust mask should be worn when handling the powder.

If PRELUDE AC-100 powder or solution contacts skin or eyes, flush immediately with copious amounts of water, then seek medical attention.

If swallowed, dilute the chemical with large quantities of water or milk. Seek medical attention.